UNITED STATES PATENT AND TRADEMARK OFFICE **CERTIFICATE OF CORRECTION**

PATENT NO.

: 7,120,685 B2

Page 1 of 11

APPLICATION NO.: 09/891584

DATED INVENTOR(S) : October 10, 2006 : Ullmann et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Delete the title page and substitute therefore the attached title page.

Figures 1-8 are replaced by the attached 9 Sheets with Replacement Drawings.

This certificate supersedes the Certificates of Correction issued May 5, 2009 and May 26, 2009.

Signed and Sealed this

Sixteenth Day of June, 2009

JOHN DOLL Acting Director of the United States Patent and Trademark Office

(12) United States Patent Ullmann et al.

(10) Patent No.:

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(45) Date of Patent:

Oct. 10, 2006

(54)	METHOD AND APPARATUS FOR DYNAMIC
	CONFIGURABLE LOGGING OF ACTIVITIES
	IN A DISTRIBUTED COMPUTING SYSTEM

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35

U.S.C. 154(b) by 750 days.

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(22) Filed: Jun. 26, 2001

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U.S. Cl. 709/224; 710/18

(58) Field of Classification Search 709/224, 709/204, 223; 714/48, 45; 719/318; 707/10, 707/200; 710/8; 377/26

See application file for complete search history.

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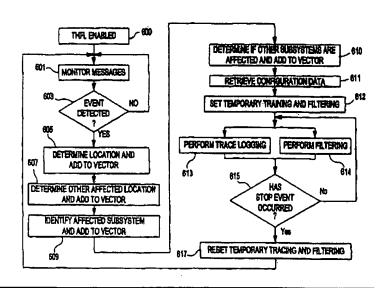
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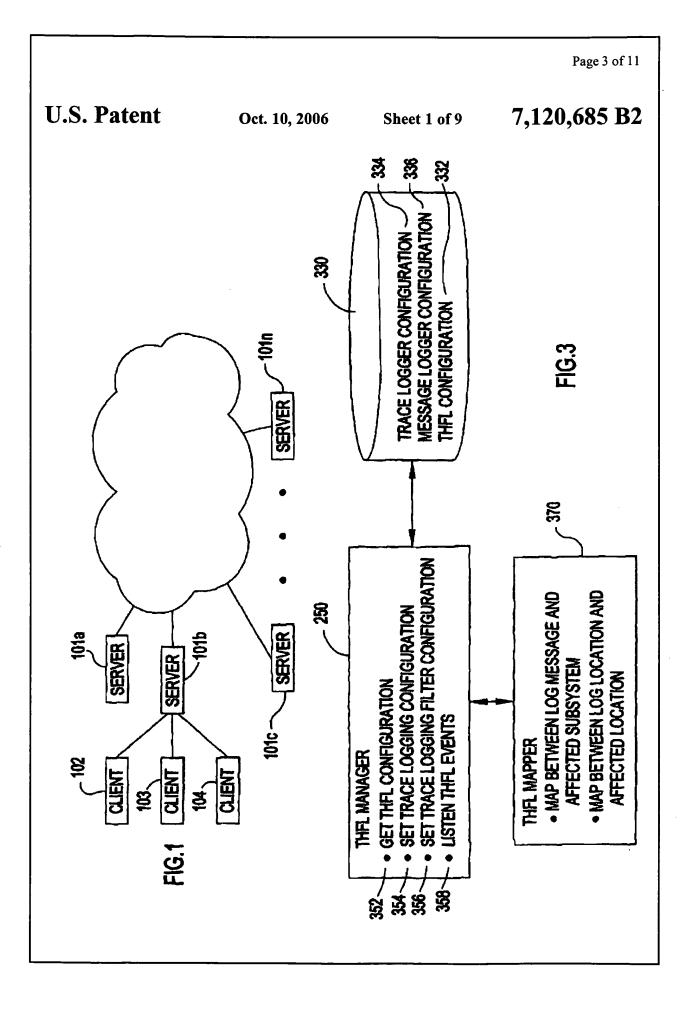
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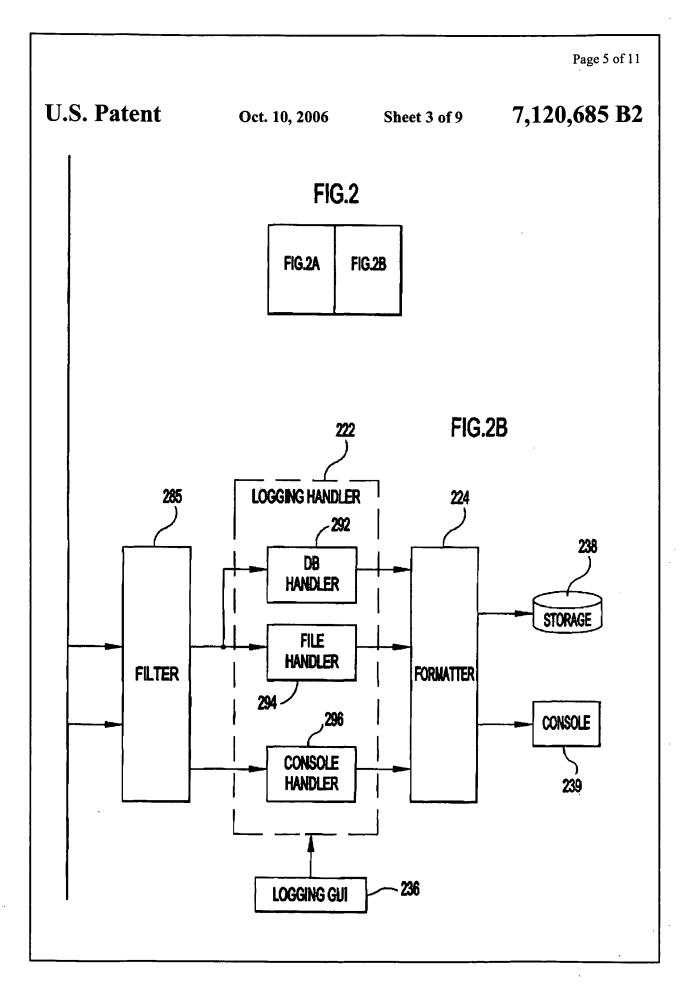
ABSTRACT

A system and method for implementing tracking of computing system activities wherein the tracking can be dynamically adjusted. The system provides a multiple level logging system having a first level for detecting message level errors and a second trace level for obtaining trace information and for filtering same to provide more details to be used for implementing corrective action. A set of filters is provide to further refine the data which is provided to a user/system administrator. The system also provides for selective activation of tracking and logging for selected subsystems, as well as the ability to vary the frequency at which the tracking is performed. The frequency of logging can be adjusted upward in response to detection of a error and can then be decreased, or the tracking selectively disabled or entirely stopped upon detection of a stop event.

22 Claims, 9 Drawing Sheets







Transient High Frequency Logging Configuration GUI

When to Enable Transient High Frequency Logging:

A Run Periodic Detection

time of day

day of month

Monthly

Polling interval every Confinuous

.Ø Enable immediately as response to ALL Error Message (very expensive from a

Select Subsystem(s) which error events turn on temporary tracing Subsystem DropDown:

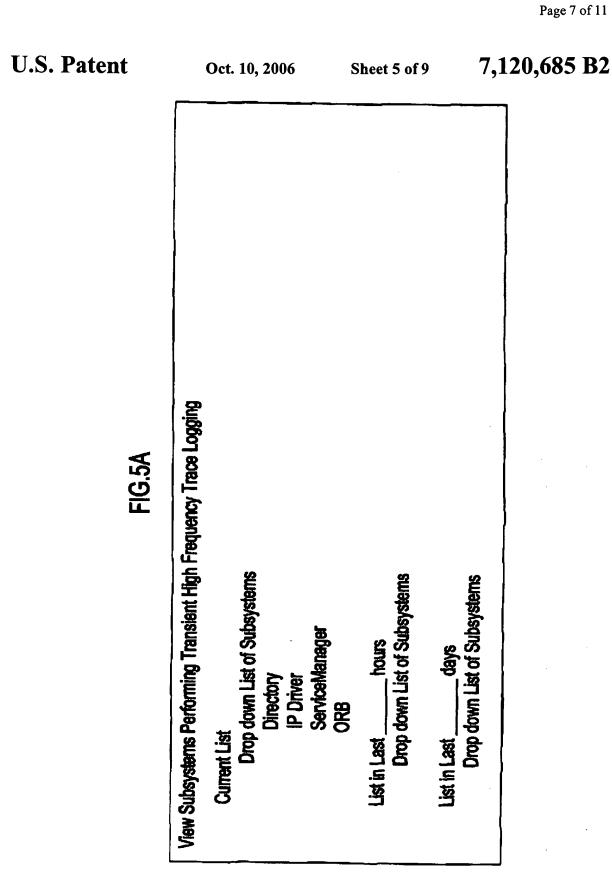
performance standpoint)

Directory IP Driver ORB Etc.

Duration of Transient High Frequency Logging:

(defauit) 1 hour after error message b b

Indefinite until Administrator turns off tracing



Details Views ForEachSubsystem

View MessageLog Button View TraceLog Button

by the ORB.

